

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10348245 NORTH TRUCKEE DRAIN AT SPANISH SPRINGS ROAD NEAR SPARKS, NV

LOCATION.--Lat 39°34'08", long 119°43'32" referenced to North American Datum of 1927, in NE ¼ SW ¼ sec. 27, T.20 N., R.20 E., Washoe County, Hydrologic Unit 16050102, on right bank upstream of culvert crossing Spanish Springs Road, at south end of Spanish Springs Valley, and 2.4 mi north of Sparks.

DRAINAGE AREA.--80 mi².

PERIOD OF RECORD.--April 1992 to September 1994; October 2000 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,410 ft above National Geodetic Vertical Datum of 1929 from topographic map. Prior to November 1, 1993, at a site in same vicinity, at different datum.

REMARKS.--No estimated daily discharges. Records fair. Flow regulated by Orr Ditch, many diversions for irrigation in Spanish Springs Valley. See schematic diagram of Truckee River Basin, Truckee River Basin and Pyramid-Winnemucca Lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 43 ft³/s, August 1, 2002, gage height, 3.73 ft; minimum daily, 0.02 ft³/s, September 20, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 23 ft³/s, June 26, gage height, 3.22 ft; minimum daily discharge, 0.13 ft³/s, April 21.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	1.4	1.5	1.3	0.86	1.6	0.22	0.28	5.3	9.7	2.1	8.2
2	3.0	1.4	1.5	1.0	1.0	2.6	0.20	0.46	4.7	8.5	2.6	9.1
3	2.7	1.5	1.5	0.83	0.97	1.2	0.45	0.28	4.0	6.3	2.4	9.0
4	2.8	1.4	1.3	0.77	0.93	1.2	0.60	0.19	4.4	9.2	1.9	8.2
5	2.8	1.3	1.3	0.76	0.81	1.0	0.38	0.20	5.2	8.4	1.6	9.1
6	2.5	1.3	1.3	0.76	0.78	0.89	0.38	0.26	6.5	7.3	2.8	11
7	2.3	1.6	1.5	0.78	0.91	0.87	0.39	0.20	5.1	7.2	3.6	13
8	2.2	1.7	1.0	0.78	0.82	0.66	0.29	1.4	5.3	6.6	3.8	12
9	2.0	1.3	0.92	0.72	0.78	0.72	0.16	3.3	6.9	6.2	3.7	13
10	1.8	1.2	1.1	0.67	0.86	0.98	0.20	0.23	6.8	6.2	6.2	12
11	2.0	1.4	1.1	0.83	0.73	1.3	0.24	0.84	6.1	6.7	5.1	11
12	2.2	1.4	1.0	0.91	0.68	1.5	0.22	0.56	6.9	5.7	5.9	12
13	2.1	1.1	0.95	0.95	0.68	1.5	0.16	0.49	8.2	4.9	8.0	15
14	1.9	1.0	2.6	0.97	0.65	1.5	0.17	0.53	6.7	4.6	8.8	11
15	1.8	1.2	1.1	0.91	0.71	1.0	0.19	0.45	6.6	4.6	11	11
16	1.7	1.7	1.0	0.90	0.96	0.83	0.15	1.0	7.5	3.8	11	11
17	1.7	1.7	0.95	0.84	0.84	0.75	0.17	0.96	7.1	3.9	9.5	12
18	1.8	1.6	0.86	0.80	0.87	0.59	0.31	0.84	6.7	4.4	9.7	12
19	1.8	1.7	1.1	0.72	0.80	0.73	0.28	1.4	7.0	7.5	9.5	12
20	1.7	1.7	1.5	2.1	0.85	0.59	0.16	2.3	8.0	9.8	8.8	11
21	1.5	1.7	1.6	1.0	1.1	0.68	0.13	3.3	6.7	9.4	10	12
22	1.5	1.6	1.1	0.91	1.2	0.45	0.14	4.9	8.8	8.0	13	13
23	1.6	1.5	1.1	0.94	1.2	0.41	0.15	3.5	13	7.0	12	12
24	1.5	1.7	1.5	1.0	1.1	0.39	0.18	2.4	13	5.8	12	7.9
25	1.5	1.6	1.2	0.91	3.7	0.31	0.31	2.5	12	5.8	8.0	6.2
26	1.6	1.6	0.96	0.86	2.3	0.28	0.30	3.0	15	5.3	6.4	4.3
27	1.5	1.5	0.83	1.00	1.2	0.31	0.18	2.9	19	5.1	5.8	3.1
28	1.6	1.5	0.80	1.1	1.1	0.40	0.22	3.4	11	4.1	6.8	2.8
29	1.8	1.6	0.98	0.94	1.0	0.26	0.29	4.2	5.6	3.2	8.4	2.5
30	2.3	1.7	1.2	0.89	---	0.24	0.31	4.8	5.3	3.1	8.3	2.5
31	1.6	---	1.0	0.87	---	0.21	---	5.4	---	2.7	8.1	---
TOTAL	61.9	44.6	37.35	28.72	30.39	25.95	7.53	56.47	234.4	191.0	216.8	288.9
MEAN	2.00	1.49	1.20	0.93	1.05	0.84	0.25	1.82	7.81	6.16	6.99	9.63
MAX	3.1	1.7	2.6	2.1	3.7	2.6	0.60	5.4	19	9.8	13	15
MIN	1.5	1.0	0.80	0.67	0.65	0.21	0.13	0.19	4.0	2.7	1.6	2.5
AC-FT	123	88	74	57	60	51	15	112	465	379	430	573

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	0.89	1.08	1.33	1.18	1.18	2.41	2.43	7.10	9.27	7.29	7.48	7.25
MAX	2.00	2.56	2.78	1.89	2.33	7.89	6.59	17.4	14.1	15.0	16.0	14.6
(WY)	(2004)	(2003)	(2003)	(2001)	(1995)	(1995)	(1994)	(1994)	(2002)	(2002)	(2002)	(2002)
MIN	0.05	0.08	0.10	0.14	0.13	0.42	0.22	1.82	1.77	0.11	0.07	0.04
(WY)	(1993)	(1993)	(1993)	(1993)	(1993)	(1993)	(2003)	(2004)	(1992)	(1994)	(1994)	(1992)

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10348245 NORTH TRUCKEE DRAIN AT SPANISH SPRINGS ROAD NEAR SPARKS, NV—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	1,239.27		1,224.01			
ANNUAL MEAN	3.40		3.34		4.41	
HIGHEST ANNUAL MEAN					5.98 2002	
LOWEST ANNUAL MEAN					3.34 2004	
HIGHEST DAILY MEAN	16	Jun 21	19	Jun 27	27	Jul 15, 1993
LOWEST DAILY MEAN	0.16	Apr 25	0.13	Apr 21	0.02	Sep 20, 1992
ANNUAL SEVEN-DAY MINIMUM	0.18	Apr 5	0.19	Apr 11	0.02	Sep 20, 1992
MAXIMUM PEAK FLOW			23	Jun 26	43	Aug 1, 2002
MAXIMUM PEAK STAGE			3.22	Jun 26	3.73	Aug 1, 2002
ANNUAL RUNOFF (AC-FT)	2,460		2,430		3,190	
10 PERCENT EXCEEDS	7.5		9.3		13	
50 PERCENT EXCEEDS	1.9		1.5		1.7	
90 PERCENT EXCEEDS	0.26		0.31		0.10	